

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(elastic adj sintered adj ceramic) near actuator	USPAT; JPO; DERWENT	OR	ON	2005/08/19 14:51
L2	7971	ZrO	USPAT; JPO; DERWENT	OR	ON	2005/08/19 14:48
L3	14827	ZrO2	USPAT; JPO; DERWENT	OR	ON	2005/08/19 14:48
L4	0	(elastic adj sintered adj ceramic) near ZrO2	USPAT; JPO; DERWENT	OR	ON	2005/08/19 14:49
L5	4	(elastic adj sintered adj ceramic)	USPAT; JPO; DERWENT	OR	ON	2005/08/19 15:01
L6	1223738	zirconate oxide	USPAT; JPO; DERWENT	OR	ON	2005/08/19 14:51
L7	52	zirconate adj oxide	USPAT; JPO; DERWENT	OR	ON	2005/08/19 14:51
L8	128134	"52" and actuator	USPAT; JPO; DERWENT	OR	ON	2005/08/19 14:51
L9	1	7 and actuator	USPAT; JPO; DERWENT	OR	ON	2005/08/19 14:52
L10	27	7 and @ad<"20000824"	USPAT; JPO; DERWENT	OR	ON	2005/08/19 15:03
L11	134	(elastic near ceramic)	USPAT; JPO; DERWENT	OR	ON	2005/08/19 14:55
L12	4	(elastic near sintered near ceramic)	USPAT; JPO; DERWENT	OR	ON	2005/08/19 14:54
L13	53	(elastic adj ceramic)	USPAT; JPO; DERWENT	OR	ON	2005/08/19 14:54
L14	41	13 and @ad<"20000824"	USPAT; JPO; DERWENT	OR	ON	2005/08/19 14:55
L15	0	10 and 14	USPAT; JPO; DERWENT	OR	ON	2005/08/19 14:54

L16	25	(elastic near ceramic) same piezoelectric	USPAT; JPO; DERWENT	OR	ON	2005/08/19 14:55
L17	22	16 and @ad<"20000824"	USPAT; JPO; DERWENT	OR	ON	2005/08/19 14:55
L18	0	(sintered adj ceramic) near bend\$3	USPAT; JPO; DERWENT	OR	ON	2005/08/19 15:01
L19	80	(sintered adj ceramic) with bend\$3	USPAT; JPO; DERWENT	OR	ON	2005/08/19 15:02
L20	0	(sintered adj ceramic) with bend\$3 same zirconate	USPAT; JPO; DERWENT	OR	ON	2005/08/19 15:02
L21	74	19 and @ad<"20000824"	USPAT; JPO; DERWENT	OR	ON	2005/08/19 15:03
S1	156	360/234.5,245.8.ccls.	USPAT; JPO; DERWENT	OR	ON	2002/11/08 14:17
S2	58	360/234.5,245.8.ccls. and (suspension adj assembly)	USPAT; JPO; DERWENT	OR	ON	2002/11/07 16:31
S3	1932	29/592.1,603.01,603.04,603.06, 861,861,867.ccls.	USPAT; JPO; DERWENT	OR	ON	2003/06/10 16:05
S4	24	29/592.1,603.01,603.04,603.06, 861,861,867.ccls. and (suspension adj assembly) and wir\$3	USPAT; JPO; DERWENT	OR	ON	2002/11/07 16:36
S5	196	(suspension adj assembly) and wiring	USPAT; JPO; DERWENT	OR	ON	2002/11/07 16:37
S6	7	((suspension adj assembly) and wiring) and tap	USPAT; JPO; DERWENT	OR	ON	2002/11/07 16:38
S7	70	((suspension adj assembly) and wiring) and frame	USPAT; JPO; DERWENT	OR	ON	2002/11/07 16:38
S8	108	360/234.5.ccls.	USPAT; JPO; DERWENT	OR	ON	2002/11/07 16:42
S9	59	360/245.8.ccls.	USPAT; JPO; DERWENT	OR	ON	2002/11/07 16:48
S10	9	29/592.1,603.01,603.04,603.06, 861,861,867.ccls. and (head adj arm)	USPAT; JPO; DERWENT	OR	ON	2003/06/10 16:06

S11	2	suspension same (actuator adj arm) same (lead adj conductor)	USPAT; JPO; DERWENT	OR	ON	2003/06/10 16:06
S12	0	29/592.1,603.01,603.04,603.05, "603""."06,603""."09".ccls.	USPAT; JPO; DERWENT	OR	ON	2003/06/10 16:07
S13	23	(suspension same (actuator adj arm)) and (lead adj conductor)	USPAT; JPO; DERWENT	OR	ON	2003/06/11 13:09
S14	1692	29/592.1,603.01,603.04,603.05, 603.06,603.09.ccls.	USPAT; JPO; DERWENT	OR	ON	2003/06/10 16:07
S15	2	((suspension same (actuator adj arm)) and (lead adj conductor)) and 29/592.1,603.01,603.04,603. 05,603.06,603.09.ccls.	USPAT; JPO; DERWENT	OR	ON	2003/06/10 16:41
S16	13	("5111351" "5163218" "5454158" "5491597" "5597496" "5598307" "5608591" "5666717" "5694270" "5742998" "5754368" "5796552" "5839193").PN.	USPAT	OR	ON	2003/06/10 16:38
S17	4	double adj actuator adj arm	USPAT; JPO; DERWENT	OR	ON	2003/06/10 16:43
S18	820	pair with (actuator adj arm)	USPAT; JPO; DERWENT	OR	ON	2003/06/10 16:43
S19	2	29/592.1,603.01,603.04,603.05, 603.06,603.09.ccls. and (pair with (actuator adj arm))	USPAT; JPO; DERWENT	OR	ON	2003/06/10 16:43
S20	131	pair adj actuator adj arm	USPAT; JPO; DERWENT	OR	ON	2003/06/10 16:44
S21	23	(pair adj actuator adj arm) and "360"/\$.ccls.	USPAT; JPO; DERWENT	OR	ON	2003/06/10 16:48
S22	0	((pair adj actuator adj arm) and coupl\$3) and (coupl\$3 adj member)	USPAT; JPO; DERWENT	OR	ON	2003/06/10 16:49
S23	65	(pair adj actuator adj arm) and coupl\$3	USPAT; JPO; DERWENT	OR	ON	2003/06/10 16:49
S24	10	(US-5862019-\$ or US-5631789-\$ or US-6252743-\$ or US-5491597-\$ or US-6219202-\$ or US-6075674-\$ or US-6382499-\$ or US-4128979-\$ or US-5924187-\$ or US-5839193-\$).did.	USPAT	OR	OFF	2003/06/11 11:52

S25	2	((US-5862019-\$ or US-5631789-\$ or US-6252743-\$ or US-5491597-\$ or US-6219202-\$ or US-6075674-\$ or US-6382499-\$ or US-4128979-\$ or US-5924187-\$ or US-5839193-\$).did.) and (ball adj bond\$3)	USPAT; JPO; DERWENT	OR	ON	2003/06/11 11:42
S26	35	(ball adj bonding) same slider	USPAT; JPO; DERWENT	OR	ON	2003/06/11 11:43
S27	0	(US-5862019-\$ or US-5631789-\$ or US-6252743-\$ or US-5491597-\$ or US-6219202-\$ or US-6075674-\$ or US-6382499-\$ or US-4128979-\$ or US-5924187-\$ or US-5839193-\$).did. and (IC adj chip)	USPAT	OR	OFF	2003/06/11 11:52
S28	1	DP adj tester	USPAT; JPO; DERWENT	OR	ON	2003/06/11 12:05
S29	22	DP adj test\$3	USPAT; JPO; DERWENT	OR	ON	2003/06/11 12:11
S30	70	inspect\$3 same connect\$3 same (head near assembly)	USPAT; JPO; DERWENT	OR	ON	2003/06/11 12:58
S31	63	(inspect\$3 same connect\$3 same (head near assembly)) and (head adj assembly)	USPAT; JPO; DERWENT	OR	ON	2003/06/11 12:58
S32	63	inspect\$3 same connect\$3 same (head adj assembly)	USPAT; JPO; DERWENT	OR	ON	2003/06/11 13:01
S33	1	(inspect\$3 same connect\$3 same (head adj assembly)) and DP	USPAT; JPO; DERWENT	OR	ON	2003/06/11 13:00
S34	3	inspect\$3 same connect\$3 same (magnetic adj head adj assembly)	USPAT; JPO; DERWENT	OR	ON	2003/06/11 13:08
S35	11882	thin adj film adj magnetic adj head	USPAT; JPO; DERWENT	OR	ON	2003/06/11 13:09
S36	2	(thin adj film adj magnetic adj head) and ((suspension same (actuator adj arm)) and (lead adj conductor))	USPAT; JPO; DERWENT	OR	ON	2003/06/11 13:11
S37	5	(thin adj film adj magnetic adj head) and ((suspension and (actuator adj arm)) and (lead adj conductor))	USPAT; JPO; DERWENT	OR	ON	2003/06/11 13:13

S38	3	(thin adj film adj magnetic adj head) and ((load adj beam) and (lead adj conductor))	USPAT; JPO; DERWENT	OR	ON	2003/06/11 13:18
S40	15	(US-5491597-\$ or US-5631789-\$ or US-5839193-\$ or US-5862019-\$ or US-5924187-\$ or US-6075674-\$ or US-6141182-\$ or US-6219202-\$ or US-6252743-\$ or US-6344954-\$ or US-6382499-\$ or US-6459548-\$ or US-6549373-\$ or US-4128979-\$).did. or (JP-04232608-\$).did.	USPAT; JPO	OR	ON	2005/08/19 10:11
S41	81	shiraishi-masashi.in. or kasajima-tamon.in.	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:12
S42	45708	actuator with arm	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:23
S43	27	S41 and S42	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:12
S44	6	("5864445" "5956212" "6198606" "6215629" "6320730" "6376964").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/19 10:13
S45	13	("5165090" "5621590" "5781380" "5828521" "5894382" "5936805" "5959808" "5995334" "6067215" "6078471" "6078473" "6078476" "6097575").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/19 10:14
S46	9	("20020051326" "20020097663" "20020126420" "20030202292" "5745319" "5898541" "6108175" "6611399" "6690551").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/19 10:16
S47	5	("5612841" "5745319" "5864448" "6078473" "6351354").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/19 10:20
S48	5	S43 and @ad<"20000824"	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:24
S49	229	actuator near (mov\$3 adj arm)	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:25
S50	0	actuator near (mov\$3 adj arm) near slider	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:24

S51	3	actuator near (mov\$3 adj arm) with slider	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:24
S52	181	S49 and @ad<"20000824"	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:25
S53	283	actuator near (mov\$4 adj arm)	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:25
S54	54	actuator near (movable adj arm)	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:26
S55	1307302	"54" and @ad<"20000824"	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:25
S56	17837353	15and @ad<"20000824"	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:25
S57	40	S54 and @ad<"20000824"	USPAT; JPO; DERWENT	OR	ON	2005/08/19 14:53
S58	1	actuator near (movable adj arm) near slider	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:37
S59	0	actuator near (movable adj arm) near transducer	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:26
S60	5	actuator near (movable adj arm) with slider	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:26
S61	7	actuator near slider near (catch\$3 or hold\$3 or fix\$3)	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:37
S62	147	360/294.4,294.6.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:37
S63	704	actuator near slider	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:37
S64	15	S62 and S63	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:37
S65	5	S64 and @ad<"20000824"	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:41
S66	3	("4605977" "4700250" "4724500").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/19 10:39

S67	1731	156/64,307.1,379.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:40
S68	0	S63 and S67	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:40
S69	2523	29/25.35,603.04,603.06,603.07. ccls.	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:41
S70	11	S63 and S69	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:41
S71	8	S70 and @ad<"20000824"	USPAT; JPO; DERWENT	OR	ON	2005/08/19 10:45
S72	6	((("5612841") or ("5864448") or ("5745319")).PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/08/19 10:46
S73	5	((("6284073") or ("6640423")).PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/08/19 10:46
S74	20	(US-5491597-\$ or US-5631789-\$ or US-5839193-\$ or US-5862019-\$ or US-5924187-\$ or US-6075674-\$ or US-6141182-\$ or US-6219202-\$ or US-6252743-\$ or US-6344954-\$ or US-6382499-\$ or US-6459548-\$ or US-6549373-\$ or US-6198606-\$ or US-6078473-\$ or US-6067215-\$ or US-6351354-\$ or US-6246552-\$ or US-4128979-\$).did. or (JP-04232608-\$).did.	USPAT; JPO	OR	ON	2005/08/19 12:12
S75	0	S74 and ((fix\$3 or attach\$3 or bond\$3) near actuator near (suspension or flexure or (load adj bead)) near (adhesive or solder))	USPAT; JPO; DERWENT	OR	ON	2005/08/19 12:14
S76	1	((fix\$3 or attach\$3 or bond\$3) near actuator near (suspension or flexure or (load adj bead)) near (adhesive or solder))	USPAT; JPO; DERWENT	OR	ON	2005/08/19 12:14
S77	17	S74 and ((fix\$3 or attach\$3 or bond\$3) same actuator same (suspension or flexure or (load adj bead)) same (adhesive or solder))	USPAT; JPO; DERWENT	OR	ON	2005/08/19 12:15
S78	4	S74 and ((fix\$3 or attach\$3 or bond\$3) same actuator same (suspension or flexure or (load adj bead)) same (adhesive or solder))	USPAT; JPO; DERWENT	OR	ON	2005/08/19 12:23

S79	0	(elastic adj sintered adj ceramic) near PZT	USPAT; JPO; DERWENT	OR	ON	2005/08/19 14:47
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IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

Select Article Information

- ☐ 1. **The QR modes measurement and modeling in the head actuator assembly**
 Li Mei Xu; Seng Zeng; Ning Qun Guo; Rong Ming Lin;
 Asia-Pacific Magnetic Recording Conference, 2000. APMRC 2000
 6-8 Nov. 2000 Page(s):MP11/1 - MP11/2
 Digital Object Identifier 10.1109/APMRC.2000.898947
[AbstractPlus](#) | Full Text: [PDF](#)(180 KB) IEEE CNF
- ☐ 2. **Linearized analysis of an electropneumatic servovalve/long pneumatic actuator using bond graph**
 Xuefang Lin; Scavarda, S.;
 Systems, Man and Cybernetics, 1993. 'Systems Engineering in the Service of I
 Conference Proceedings., International Conference on
 17-20 Oct. 1993 Page(s):555 - 560 vol.1
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[AbstractPlus](#) | Full Text: [PDF](#)(324 KB) IEEE CNF
- ☐ 3. **Operational results for the raster scanning power supply system construction at Bevalac Biomedical Facility**
 Stover, G.; Halliwell, J.; Nyman, M.; Dwinell, R.;
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 20-23 March 1989 Page(s):1890 - 1892 vol.3
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- ☐ 4. **Development of a servowriter for magnetic disk storage applications**
 Brown, D.H.; Sri-Jayantha, M.;
 Instrumentation and Measurement, IEEE Transactions on
 Volume 39, Issue 2, April 1990 Page(s):409 - 415
 Digital Object Identifier 10.1109/19.52524
[AbstractPlus](#) | Full Text: [PDF](#)(644 KB) IEEE JNL
- ☐ 5. **Design features and protection of valve actuator motors in nuclear power plants**
 Rebbapragada, R.V.; Daugherty, R.H.; Richards, A.E.; Kueck, J.D.;
 Energy Conversion, IEEE Transactions on
 Volume 5, Issue 3, Sept. 1990 Page(s):572 - 584
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- ☐ **6. Intracardiac ultrasound scanner using a micromachine (MEMS) actuator**
Zara, J.M.; Bobbio, S.M.; Goodwin-Johansson, S.; Smith, S.W.;
Ultrasonics, Ferroelectrics and Frequency Control, IEEE Transactions on
Volume 47, Issue 4, July 2000 Page(s):984 - 993
Digital Object Identifier 10.1109/58.852082
[AbstractPlus](#) | Full Text: [PDF](#)(660 KB) IEEE JNL
- ☐ **7. Development of a single coil coupled force VCM actuator for high TPI ma**
Lin, H.; Li, Q.H.; He, Z.M.; Chen, S.X.;
Asia-Pacific Magnetic Recording Conference, 2000. APMRC 2000
6-8 Nov. 2000 Page(s):MB7/1 - MB7/2
Digital Object Identifier 10.1109/APMRC.2000.898913
[AbstractPlus](#) | Full Text: [PDF](#)(164 KB) IEEE CNF
- ☐ **8. Design of a dual moving-magnet motor for a hard disk drive actuator**
Chen, S.X.; Wood, R.; Mah, Y.;
Magnetics, IEEE Transactions on
Volume 33, Issue 5, Part 2, Sept. 1997 Page(s):3871 - 3873
Digital Object Identifier 10.1109/20.619599
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(256 KB) IEEE JNL
- ☐ **9. Integrated control of microactuators and integrated circuits: a new turn in
MEMS technology**
Lyshevski, S.E.;
Decision and Control, 1999. Proceedings of the 38th IEEE Conference on
Volume 3, 7-10 Dec. 1999 Page(s):2611 - 2616 vol.3
Digital Object Identifier 10.1109/CDC.1999.831322
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- ☐ **10. Non-Invasive method for measuring gas pressure using sonic resonance**
Smith, R.D.;
Aerospace and Electronics Conference, 1989. NAECON 1989., Proceedings o
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